

Title (en)  
Magnetic tape cassette

Title (de)  
Magnetbandkassette

Title (fr)  
Cassette à bande magnétique

Publication  
**EP 1193710 A1 20020403 (EN)**

Application  
**EP 01308134 A 20010925**

Priority  
JP 2000295988 A 20000928

Abstract (en)  
A magnetic tape cassette for use in an apparatus having a light source and a light sensor (5a,5b) for detecting a tape end by the difference of light transmittance of a tape. The magnetic tape cassette (1) is composed of a cassette housing for having a transparent or semitransparent upper half (1b) and a lower half (1a), and the reel being connected with the tape, and a light exit (7A,7B) being opposed to the light sensor (5a,5b) when the tape cassette is loaded to a predetermined position in the apparatus, for passing light from the light source to the light sensor through the light exit, wherein a light path (4a,4b) of the light emitted from the light source crosses a travel path of the tape, a light-shielding member (2a,2b) for limiting the light emitted from the light source, placed contiguous to the light exit, and a rib (81,83) being formed in the upper half and the lower half (1a,1b) wherein a plurality of triangular shaped prisms (81a,83a) is formed serially on at least one side of the rib (83). <IMAGE>

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**G11B 23/087**

IPC 8 full level  
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CPC (source: EP KR US)  
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Citation (search report)

- [X] EP 0286355 A1 19881012 - SONY CORP [JP]
- [PX] EP 1059639 A2 20001213 - VICTOR COMPANY OF JAPAN [JP]
- [A] US 5121275 A 19920609 - KOMIYAMA KOHZO [JP]
- [A] EP 0359214 A2 19900321 - SONY CORP [JP]

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